

IN THE CLAIMS:

Please amend the claims as shown below. The claims, as pending in the subject application, now read as follows:

1 to 3. (Cancelled)

4. (Currently Amended) A probe set of infection detection probes each of which can detect an existence of a 16s rRNA gene originating in *Staphylococcus aureus* in a sample in which one or more of *Staphylococcus aureus*, *Staphylococcus epidermidis*, *Escherichia coli*, *Klebsiella pneumoniae*, *Pseudomonas aeruginosa*, *Serratia marcescens*, *Streptococcus pneumoniae*, *Haemophilus influenzae*, *Enterobacter cloacae* and *Enterococcus faecalis* possibly exists, wherein the probe set comprises[[:]] the nine oligonucleotides, each consisting of a different one of SEQ ID Nos. 1 to 9 or the complementary sequence thereof

~~an oligonucleotide consisting of SEQ ID No. 1 or the complementary sequence thereof; and~~

~~an oligonucleotide consisting of one of SEQ ID Nos. 2 to 14 or the complementary sequence thereof.~~

5. (Currently Amended) A probe set which can detect an existence of a 16s rRNA gene originating in *Staphylococcus aureus*, the probe set including plural types of infection detection probes consisting of different types of oligonucleotides, wherein the

different types of oligonucleotides consist of[[:]] nine oligonucleotides, each consisting of
a different one of SEQ ID Nos. 1 to 9 or the complementary sequence thereof

~~SEQ ID No. 1 or the complementary sequence thereof; and~~

~~one of SEQ ID Nos. 2 to 14 or the complementary sequence thereof.~~

6. (Previously Presented) The probe set according to claim 5, wherein the probe set is chemically immobilized on a carrier.

7. (Withdrawn) A genetic screening method of detecting a gene originated in *Staphylococcus aureus* by using a carrier of claim 6.

8 to 49. (Cancelled)

50. (Withdrawn) The probe set according to claim 4, wherein the probe set comprises fourteen oligonucleotides, each consisting of a different one of SEQ ID Nos. 1 to 14 or the complementary sequence thereof.

51. (Previously Presented) An array on which the probe set according to claim 4 is immobilized, wherein the probe set includes the only probes on the array for detecting *Staphylococcus aureus*.